

Application No. 10/727,488

In the claims:

1. (original) A multifunctional vehicle lock comprising:
 - a cylinder lock comprising a rotatable tumbler;
 - a coupling member rotationally linked to said tumbler, wherein rotation of said tumbler rotates said coupling member;
 - a first vehicle locking element connected to said coupling member; and
 - a second vehicle locking element connected to said coupling member, wherein rotation of said coupling member moves said first vehicle locking element in a translatory movement along a first axis and simultaneously moves said second vehicle locking element in a translatory movement along a second axis angled at a non-zero angle with respect to said first axis.
2. (original) The multifunctional vehicle lock according to claim 1, wherein at least one of said first and second vehicle locking elements is geometrically lockable with respect to said coupling member.
3. (original) The multifunctional vehicle lock according to claim 1, wherein said coupling member comprises a worm drive connected to said first vehicle locking element.
4. (original) The multifunctional vehicle lock according to claim 3, wherein said first vehicle locking element is connected to said coupling member by a pin that fits in a helical groove formed in said worm drive, wherein as said coupling member rotates, said pin translates along said first axis guided by said helical groove.
5. (original) The multifunctional vehicle lock according to claim 4, wherein said helical groove has a terminal arcuate portion in which said pin is geometrically lockable with respect to said coupling member.
6. (original) The multifunctional vehicle lock according to claim 1, wherein said second vehicle locking element is connected to said coupling member by means of a wrist pin and connecting element connection.
7. (original) The multifunctional vehicle lock according to claim 1, wherein said tumbler of said cylinder lock comprises a set of tumbler pins that are movable to a shear line against a set of housing pins disposed in a first pin housing.
8. (original) The multifunctional vehicle lock according to claim 7, further comprising a second pin housing wherein said tumbler pins are movable to a shear line against a set of housing pins disposed in said second pin housing.
9. (original) The multifunctional vehicle lock according to claim 1, wherein said first and second lock elements are arranged to move in and out of a protective casing.

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10. (original) The multifunctional vehicle lock according to claim 1, further comprising a plurality of said second vehicle locking elements connected to said coupling member.

11-12. (canceled)

13. (original) The multifunctional vehicle lock according to claim 1, wherein at least one of said first and second vehicle locking elements comprises an attachment member.

14. (original) The multifunctional vehicle lock according to claim 13, further comprising a locking attachment attached to said attachment member.

15-16. (canceled)